

**ABSTRACT**

Three metal plate materials, each having penetration holes, are united together in this order as a set at such positions that penetration holes can penetrate through the three metal plate materials so as to form a mixing portion. A plurality of sets, each having the mixing portion, are integrated together at such positions that all of the penetration holes can penetrate through the respective sets of plate materials. The mixing portions of the respective sets are connected in parallel to one another.